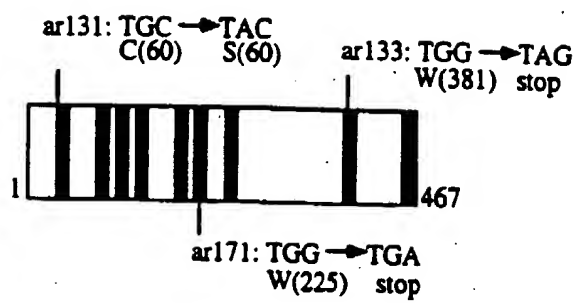


[illegible]

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FIGURE 1B



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FIGURE 2A

```

SEL-12 ..... ..MPSTRRRQQ
S182 .....MTEIP APLSYFQNAQ MSEDNHLST VRSQNDNRER QEH.NDRRSL
E5-1 MLTFMADSE EEVCDERTSL MSAESPTPRS CQEGRQGPED GENTAQRWSQ

```

```

SEL-12 EGGGADAETH TVYGTNLITN RNSQEDENVV EEAE LKYGAS HVIHLFVPVS
S182 GHPEPLSNGR PQGNSRQVVE QDEED.... EELT LKYGAK HVIHLFVPVT
E5-1 ENEEDGEEDP DRYVCSGVPG RPPGLE.... EELT LKYGAK HVIHLFVPVT
SPE-4 ..... ..MDTLRSI SSELVRSSQL RWTLFVSIAN

```

TM1

```

SEL-12 LCMALVV.FT MNTITFYsqN NGRHLLSHPF VRETD SIVEK GLMSLGNALV
S182 LCMVVVV.AT IKSVSFYTRK DG.QLIYTPF TEDTETVGQR ALHSILNAAI
E5-1 LCMIVVV.AT IKSVRFYTEK NG.QLIYTPF TEDTPSVGQR LENSVLNTLI
SPE-4 MSLTISIWIG VYNMEVNSEL SKTYFLDPSF EQTIGNL... LDGFINGVG

```

TM2

TM3

```

SEL-12 MLCVVV.LMTV LLIVFYKYKF YKLIHGWLIV SSFLLLF... LFTT
S182 MISVIVVMTI LLVVLYKYRC YKVIHAWLII SSLLLLF... FFSF
E5-1 MISVIVVMTI FLVVLYKYRC YKFIHGWLIM SSLMLLF... LFTY
SPE-4 TILVLGCVSF IMLAFLVDF RRIVKAWLTL SCLLILFGVS AQTLDHMFISQ

```

TM4

```

SEL-12 IYVQEV LKSF DVSPSALLVL FGLGNYGVLG MMCIHWKGPL RLQQFY LITM
S182 IYLG EVFKTY NVAVDYVTVA LLIWNFGVVG MISIHWKGPL RLQQAY LIMI
E5-1 IYLG EVLKTY NVAMDYPTLL LTVWNFGAVG MVCIHWKGPL VLQQAY LIMI
SPE-4 VFDQDDNNQY YMTIVLIVVP TVVYGFG..G IYAFFSNSSL ILHQIFVVTN

```

TM5

TM6

```

SEL-12 SALMALVFIK YLPEWTVWFFV LFVISVWDLV AVLT PKGPLR YLVETAQERN
S182 SALMALVFIK YLPEWTAWLI LAVISVYDLV AVLC PKGPLR MLVETAQERN
E5-1 SALMALVFIK YLPEWSAWVI LGAISVYDLV AVLC PKGPLR MLVETAQERN
SPE-4 CSLISVFYLR VFPSTTWFV LWIVLFDLF AVLAPMGPLK KVQEKASDYS

```

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FIGURE 2B

TM7

 XX
 SEL-12 EPIFPALIYS SGVIYPYVLV TAVENTTDPR EPTSSDSNTS TAFPGEASCS
 S182 ETLFPALIYS STMVW...LV NMAEGDPEAQ RRVSKNSKYN AESTERESQD
 E5-1 EPIFPALIYS SAMVW...TV GMAKLDP...SSQALQ LPYDPMEED
 SPE-4 KCVLNLIMFS ANEKRLTAGS NQEETNEGEE STIRRTVKQT IEYYTKREAQ

SEL-12 SE..... ..TPKRPKVK RIPQKVQIES
 S182 T..... ..VA ENDDGGFSSE
 E5-1 S..... ..YD SFGEPSYPV
 SPE-4 DDEFYQKIRQ RRAAINPDSV PTEHSPLVEA EPSPIELKEK NSTEELSODE

SEL-12 NTIASITQNS GVRVERELAA ERPTVQDANF HRHEEEERG.
 S182 WEAQRDSHLG PHRSTPESRA AVQELSSSIL AGEDPEERG.
 E5-1 FEPPLTGYPG EEL..... ..EEEEERG.
 SPE-4 SDTSETSSGS SNLSSSDSST TVSTSDISTA EECDAQEWDD LVSNSLPNND

 X
 SEL-12 VKLGL GDFIFYSVLV GKASSYF..D WNTTIACYVA
 S182 VKLGL GDFIFYSVLV GKASATASGD WNTTIACFVA
 E5-1 VKLGL GDFIFYSVLV GKAAATGSGD WNTTIACFVA
 SPE-4 KRPATAADAL NDGEVLRIGF GDFVYSLLI GQAAASGCP. FAVISAALG

TM8

 SEL-12 ILIGLCFTLV LLAVFKRALP ALQFPFSPDS FETFPAGSS PHLHKSLSK
 S182 ILIGLCFTLL LLAIFKKALP ALPISITFGL VFYATDYLQ QPFMDQLAFH
 E5-1 ILIGLCFTLL LLAVFKKALP ALPISTTFGL IFYSTDNLV RPFMDTLASH
 SPE-4 ILFGLVVTIT VFSTEESTTP ALPLPVICGT PCYSSMFFW EQLYG.....

TM9?

 SEL-12 VYVINSFLFP FLCIINFSII S
 S182 QFYI.....
 E5-1 QLYI.....

FIGURE 3A

FIGURE 3B

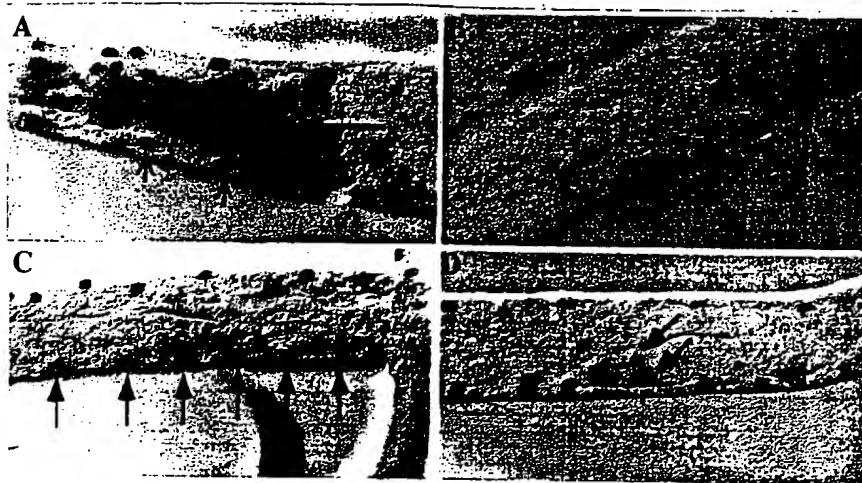


FIGURE 3C

FIGURE 3D